

The buoy concept is a buoy with sensors that test the water for certain parameters every few minutes and then transmit that data via “the cloud” so that these can be monitored remotely.

It looks something like this:



This would allow us and you (and all your residents) to log in and view the data.

We want to begin a project of this sort this year and thought that your lake would be well suited because once we get automated dosing set up, together with automated monitoring we could probably cut down our visits to two per year, which would be a saving for you.

We have not finalized the details but we would probably monitor Chlorophyll a (algae) and Phycocyanin (cyanobacteria HABs) at the surface and Dissolved Oxygen and Temperature at a depth of say 30 feet (we would need to know how low the lake can drop, and we would set the depth of the DO probe at a level that would ensure it never descended down into the muck).

Our idea was to do this at our cost, and only once it is proven to be of value would we then perhaps offer you the opportunity to purchase it, or relocate it to another lake. In view of the delay with your lake we do have another possible site for the deployment of such a buoy.

The small units come in a sound-proof cabinet that will make them quieter than a domestic aircon, so noise will not be a problem. The sheds likewise.
